Freeform Search

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term: L9 and (generat$ with heartbeat$)

Display: 10 **Documents in Display Format:** KWIC **Starting with Number** 1

Generate: ○ Hit List ◉ Hit Count ○ Side by Side ○ Image

Search   Clear   Interrupt

Search History

DATE: Monday, July 26, 2004   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=ADJ			
L13	L9 and (generat$ with heartbeat$)	3	L13
L12	L9 and heartbeat$	12	L12
L11	L10 and heartbeat$	3	L11
L10	L9 and node$.ab.	3	L10
L9	L8 and network$.ab.	12	L9
L8	L7 and (heartbeat$).ab.	23	L8
L7	714/$.ccls.	23210	L7
L6	L4 and (((translat$ or convert$) with network$ with protocol$) same (retranslat$ or reconvert$))	4	L6
L5	L4 and ((translat$ or convert$ or retranslat$ or reconvert$) with network$ with protocol$)	633	L5
L4	709/$.ccls.	15841	L4
L3	L1 and (translat$ with protocol$)	0	L3
L2	L1 and (convert$ with protocol$)	0	L2
L1	(6738821 or 6061723).pn.	2	L1

h   e b   b   g e e e   e   f   f ff e ch

END OF SEARCH HISTORY

h   e b   b g ee e   e f   f ff e ch

Previous Doc   Next Doc   Go to Doc#
First Hit   Fwd Refs

☐ **Generate Collection**

L13: Entry 3 of 3   File: USPT   Feb 14, 1995

DOCUMENT-IDENTIFIER: US 5390326 A
TITLE: Local area network with fault detection and recovery

Abstract Text (1):
A local area network having fault detection and recovery and a method for detecting
and recovering from faults in a local area network are disclosed. The network has
modules interconnected by a token bus implemented by a pair of redundant cable
systems. All of the modules are agent modules and one of the modules also serves as
a master module. Each agent module periodically transmits an agent heartbeat signal
on each of its cables. Each module monitors all of the agent heartbeat signals from
all of the other modules. When a fault is detected by a module, such as missed
agent heartbeat signals from another module, the module applies agent rules to
determine if and how the fault should be reported. The agent module reports the
fault to the master module. The master module collects fault reports from the agent
modules, applies a set of master rules to the agent fault reports, and generates a
master failure report. The master module also initiates an appropriate network
recovery action based upon the failure report generated. The master module
periodically transmits a master heartbeat signal on the token bus which is received
by the agent modules. The agent modules decode the master heartbeat signal to
ensure that a master module is always present on the token bus.

Detailed Description Text (13):
The CSs 30 of the LI modules 12 are at the lowest logical level of fault detection
in the network. Each CS 30 is responsible for generating and transmitting agent
heartbeat signals from both transmitters at the proper rate. In addition, the CS 30
receives the agent heartbeat signals from other LI modules. It decodes and monitors
every agent heartbeat signal from all of the other LI modules on the network. It
also checks the time between agent heartbeats to ensure that all of them are being
transmitted at the proper rate.

Detailed Description Text (79):
A task entitled Manage Token Bus Master (MTBM) handles user requests for service
from the master. It also handles the timing and generation of master heartbeats and
controls the master windows. Programming code for this task is included as Appendix
C of this specification.

Current US Cross Reference Classification (2):
714/55

Current US Cross Reference Classification (3):
714/717

Previous Doc   Next Doc   Go to Doc#

h   e b   b g ee e f   e   f   e g